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Form PTO-1449		
ATTY DOCKET NO. 82-95A	SERIAL NO. 09/778,132	FILING DATE February 6, 2001
APPLICANT Lin et al.		GROUP 1670

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
✓	6,271,032	08/07/01	Lin et al.	435	424	
✓	5,994,135	11/30/99	Lin et al.	435	421	
✓	5,674,731	10/07/97	Lin et al.	435	240.4	
✓	5,188,655	02/23/93	Jones et al.	504	136	
✓	5,134,074	07/28/92	Gordon et al.	435	240.4	
✓	5,004,863	04/02/91	Umbeck	800	205	
✓	4,806,483	02/21/89	Wang	435	240.49	
✓	4,637,828	01/20/87	Schulze et al.	71	76	
✓	4,455,162	06/84	Welebir	504	121	
✓	4,411,684	10/83	Boyles et al.	504	138	
✓	4,297,125	10/27/81	Haissig et al.	71	77	
✓	3,000,888	09/61	Biekert	504	136	

FOREIGN PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
✓	WO 96/34089	31.10.96	PCT	C12N	5/00	
✓	02265473	10/30/90	JP			English Abstract

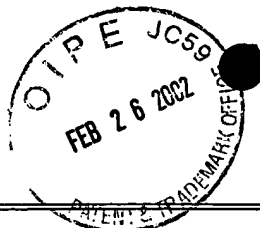
OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

Exmr. Initial	Page	Author, Title, Date, Pertinent Pages, etc.
✓	1	Abdullah et al. (1986) "Efficient Plant Regeneration from Rice Protoplasts Through Somatic Embryogenesis," <i>Bio/Technology</i> 6:1087-1090
✓	2	Aberg (1978) "Plant growth regulators," <i>Swedish J. Agric. Res.</i> 8(3):133-138
✓	3	Altamura et al. (1992) "The role of hormones on morphogenesis of thin layer explants from normal and transgenic tobacco plants," <i>Physiologia Plantarum</i> 84:555-560
✓	4	Baldi, B.G. et al. (1984) "Synthesis of C ¹⁴ -Labeled Halogen Substituted Indole-3-acetic Acids," <i>J. Labelled Compounds and Radiopharmaceuticals</i> XII(3):279-285

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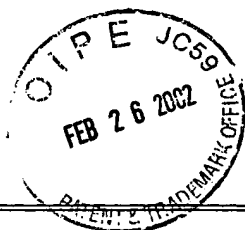
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B2	5	Barton et al. (1983) "Regeneration of Intact Tobacco Plants Containing Full Length Copies of Genetically Engineered T-DNA, and Transmission of T-DNA to R1 Progeny," <i>Cell</i> 32:1033
1	6	Böttger, M. et al. (1978) "Growth of Avena Coleoptiles and pH Drop of Protoplast Suspensions Induced by Chlorinated Indoleacetic Acids," <i>Planta</i> 140:89-92
	7	Burns, J.A. and Schwarz, O.J. (February 1996) "Bacterial stimulation of adventitious rooting on in vitro cultured slash pine (<i>Pinus elliottii</i> Engelm.) Seedling explants," <i>Plant Cell Reports</i> 15:405-408
	8	Chang, S.S. et al. (April 1994) "Stable genetic transformation of <i>Arabidopsis thaliana</i> by <i>Agrobacterium</i> inoculation in planta," <i>The Plant Journal</i> 5(4):551-558
	9	Chee, P. P. (October 1995) "Stimulation of adventitious rooting of <i>Taxus</i> species by thiamine," <i>Plant Cell Reports</i> 14:753-757
	10	Chemical Abstracts Vol. 100, No. 19, 7 May 1984, Abstract No. 156493, Nissan Chemical Industries Ltd. JP58 189162, Abstract
	11	Chemical Abstracts Vol. 61, No. 2, 20 July 1964, Abstract
	12	Chilton, M-D et al. (1974) " <i>Agrobacterium tumefaciens</i> DNA and PS8 Bacteriophage DNA Not Detected in Crown Gall Tumors," <i>Proc. Nat. Acad. Sci. USA</i> 71(9):3672-3676
	13	Cleland, R.E. (1995) "D1. Auxin and Cell Elongation," in <i>Plant Hormones</i> , P.J. Davies (ed.) Kluwer Academic Publishers, Netherlands, pp. 214-227
	14	Davies, P.J. (1995) "A1. The Plant Hormones: Their Nature, Occurrence, and Functions," in <i>Plant Hormones. Physiology, Biochemistry and Molecular Biology</i> , 2 nd Ed., P.J. Davies (ed.) Kluwer Academic Publishers, Norwell, MA, pp. 1-12
	15	Dekeyser, R.A. et al. (1990) "Transient Gene Expression in Intact and Organized Rice Tissues," <i>The Plant Cell</i> 2:591-602
	16	Engvild, K.C. (1977) "Preparation of Chlorinated 3-Indolylacetic Acids," <i>Acta Chem. Scand.</i> B31:338-339
	17	Engvild, K.C. (1978) "Substituted Indoleacetic Acids Tested in Tissue Cultures," <i>Physiol. Plant</i> 44:345-346
	18	Evans, M.L., "Functions of Hormones at the Cellular Level of Organization," Hormone Regulation of Development II. Encyclopedia of Plant Physiology (T.K. Scott, ed.) Springer Verlag, Heidelberg, pp. 23-78
V	19	Ferdinand, E.S. et al. (1978) "Synthesis of [¹⁴ C]Labelled Pyranol[3,4-b]-and Thiopyranol [3,4-b]-Indoles, and Indenol[2,1-c]Pyran Derivatives," <i>J. Labelled Compounds and Radiopharmaceuticals</i> 14(3):411-425



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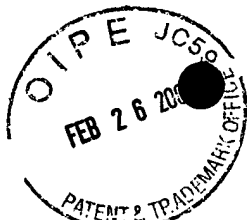
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VBC	20	Fox, S.W. and Bullock, M.W. (1951) "Synthesis of Indole-3-acetic Acids and 2-Carboxyindole-3-acetic Acids with Substituents in the Benzene Ring," J. Am. Chem. Soc. 73:2756-2759
	21	Hatano, T. et al. (1987) "5,6-Dichloroindole-3-acetic acid as a potent auxin: its synthesis and biological activity," Experientia 43:1237-1239
	22	Hiei, Y. et al. (Aug. 1994) "Efficient transformation of rice (<i>Oryza sativa</i> L.) mediated by <i>Agrobacterium</i> and sequence analysis of the boundaries of the T-DNA," <i>The Plant Journal</i> 6:001-011
	23	Hoffman, O.L. et al. (1952) "Auxin-Like Activity of Systematically Substituted Indoleacetic Acid," <i>J. Biol. Chem.</i> 196:437-441
	24	Hooykaas-Van Slogteren, G.M.S. et al. (1984) "Expression of Ti plasmid genes in monocotyledonous plants infected with <i>Agrobacterium tumefaciens</i> ," <i>Nature</i> 311:763-764
	25	Ilic, N. et al. (1991) "Synthesis of 5-Alkylindole-3-acetic Acids for Use as Plant Hormone Analogues," <i>Croatica Chemica Acta.</i> 64(1):79-88
	26	Jefferson, R.A. et al. (1987) "GUS fusions: β -glucuronidase as a sensitive and versatile gene fusion marker in higher plants," <i>EMBO J.</i> 6(13):3901-3907
	27	Katayama, M. et al. (1988) "Localization of 4-Chloroindole-3-acetic Acid in Seeds of <i>Pisum sativum</i> and Its Absence from All Other Organs," <i>Plant Cell Physiol.</i> 29(5):889-891
	28	Katekar, G.F. and Geissler, A.E. (1982) "Auxins II: The Effect of Chlorinated Indolylacetic Acids on Pea Stems," <i>Phytochemistry</i> 21(2):257-260
	29	Katekar, G.F. and Geissler, A.E. (1983) "Structure-Activity Differences Between Indoleacetic Acid Auxins on Pea and Wheat," <i>Phytochemistry</i> 22(1):27-31
	30	Lin, J. et al., "Effects of <i>Agrobacterium</i> Cell Concentration on the Transformation Efficiency of Tobacco and <i>Arabidopsis Thaliana</i> ," <i>Focus</i> 16(3):72-77
	31	Lutz et al. (Sept. 1996) "FT-IR spectroscopic study of the phytohormone auxin (indol-3-ylacetic acid, IAA) and its n-alkylated and monohalogenated derivatives," <i>J. Molecular Structure</i> 382(3):177-185
	32	Marumo et al. (1973) "Biological Activity of 4-chloroindolyl 3-acetic," <i>Proceed. 8th Int. Congr. Plant Growth Substances, Kirokawa Publ., Tokyo, pp.419-428</i>
	33	Masanori, S. (Feb. 1984) Patent Abstracts of Japan, Vol. 008, no. 024 (C-208) publication no. 58189161A
34	Mii, M. et al. (1992) "Shoot regeneration from spinach hypocotyl segments by short term treatment with 5,6-Dichloro-indole-3-acetic acid," <i>Plant Cell Reports</i> 11:58-61	

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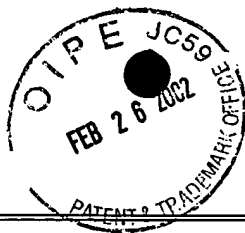
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35	Mihaljevic, S. et al. (April 1996) "Increase of root induction in <i>Pinus nigra</i> explants using agrobacteria," <i>Plant Cell Reports</i> 15:610-614
36	Nilsson et al. (Oct. 1996) "Expression of the Agrobacterium Rhizogenes rolC gene in a deciduous forest tree alters growth and development and leads to stem fasciation," <i>Plant Physiol.</i> 112:493-502
37	Porter, W.L. and Thimann, K.V. (1965) "Molecular Requirements for Auxin Action - I. Halogenated Indoles and Indoleacetic Acid," <i>Phytochemistry</i> 4:229-243
38	Rasmussen, T. et al. (1995) "Auxin activity of brominated indoles from the marine sponge <i>Pseudosuberites hyalinus</i> ," <i>J. Mar. Biotechnol.</i> 2(3):167-169
39	Rawal, S.K. and Mehta, A.R. (1982) "Tissue Culture of Tobacco. II. Influence of IAA, Kinetin and Sucrose on Organogenesis in <i>Nicotiana Tabacum</i> Callus Cultures," <i>Ind. J. Plant Physiol.</i> XXV(4):336-347
40	Rescher et al. (Winter 1996) " <i>In vitro</i> binding affinities of 4-chloro-, 2-methyl-, and 4-ethylindoleacetic acid to auxin-binding protein 1 (ABP1) correlate with their growth-stimulating activities," <i>J. Plant Growth Regulation</i> 15(1):1-3
41	Rhodes et al. (1988) "Genetically Transformed Maize Plants from Protoplasts," <i>Science</i> 240:204-207
42	Rhodes, C.A. et al. (1988) "Plant Regeneration from Protoplasts Isolated from Embryogenic Maize Cell Cultures," <i>Bio/Technology</i> 6:56-60
43	Raineri, D.M. et al. (1990) " <i>Agrobacterium</i> -Mediated Transformation of Rice (<i>Oryza Sativa</i> L.)," <i>Bio/Technology</i> 8:33-38
44	Reinecke et al. (Nov. 1995) "Effect of halogen substitution of indole-3-acetic acid on biological activity in pea fruit," <i>Phytochemistry</i> 40(5):1361-1366
45	Saitou, T. et al. (1992) "Involvement of phytohormones in light-induced adventitious shoot formation of horseradish hair roots," <i>Plant Science</i> 86:161-166
46	Schöpke, C. et al. (June 1996) "Regeneration of transgenic cassava plants (<i>Manihot esculenta</i> Crantz) from microbombarded embryogenic suspension cultures," <i>Nature Biotechnology</i> 14:731-735
47	Skoog, F. et al. (1967) "Cytokinins: Structure/Activity Relationships," <i>Phytochemistry</i> 6:1169-1192

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MAR 04 2002

	48	Skoog, F. and Tsui, C. (1951) "Growth Substances and the Formation of Buds in Plant Tissues," <i>Plant Growth Substances</i> , University of Wisconsin Press, Madison, WI, p. 263
	49	Skoog, F. and Miller, C.O. (1957) "Chemical Regulation of Growth and Organ Formation in Plant Tissues Cultured <i>In Vitro</i> ," <i>Symposia Society for Experimental Biology</i> 11:188-231
	50	Thomson et al. (1988) "The response of stomata to ring-substituted indolylacetic acids," <i>New Phytol.</i> 110:511-515
	51	Ulsvkov et al. (1992), "Immunoaffinity purification using monoclonal antibodies for the isolation of indole auxins from elongation zones of epicotyls of red-light-grown Alaska peas," <i>Planta</i> 188(2):182-189
	52	Vanderhoef, L.N. et al. (1977) "Comparison of Auxin-induced and Acid-induced Elongation in Soybean Hypocotyl," <i>Plant Physiol.</i> 59:1004-1007
	53	Vasil, I. K. (1988) "Progress in the Regeneration and Genetic Manipulation of Cereal Crops," <i>Bio/Technology</i> 6:397-402
	54	Vasil, I.K. and Vasil, V., (1994) " <i>In vitro</i> Culture of Cereals and Grasses," <i>Plant Cell and Tissue Culture</i> , pp. 293-312
	55	Vetter, J. (1974) "The Auxin-induced Growth of Tobacco Callus Tissue," <i>Biochem. Physiol. Pflanz (BPP)</i> 165:114-118
	56	Wang, Y-C et al. (1988) "Transient expression of foreign genes in rice, wheat and soybean cells following particle bombardment," <i>Plant Mol. Biol.</i> 11:433-439
	57	Winans, S.C. et al. (1988) "Transcriptional Regulation of the <i>virA</i> and <i>virG</i> Genes of <i>Agrobacterium tumefaciens</i> ," <i>J. Bacteriology</i> 170(9):4047-4054

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